
UCDAVIS Chile
LIFE SCIENCES INNOVATION CENTER

A Brief History of Chile-California Program

The Chile-California Program was part of the Alliance For Progress Program offered by the United States to Latin American nations. The Program was suggested to Governor Edmund Brown, by President Kennedy early in **1963**. Thanks in part to financing from the Ford Foundation, this “aid for development” plan continued **until the early 1970’s** and would be known in the academic world as the “Convenio”.

This bilateral history of cooperation, dreams and challenges had a second impulse in **June 2008** when Chile and California launched the plan: “Chile-California, a strategic association for the 21st century”.

In 2011, Chile-California Council was founded as a non-profit organization that promotes mutually beneficial relationships and knowledge sharing between Chile and California in both the private and public sectors.

CHILE – UNIVERSITY OF CALIFORNIA: A RICH HISTORY IN AGRICULTURE

Chile-California Agreement (1965-73) exchange of students and Faculty.

Impact: Fruit exports rose from $50 M to $5 B

2008: New UC- Chile-California Agreement

2015: Official launch UC Davis Chile

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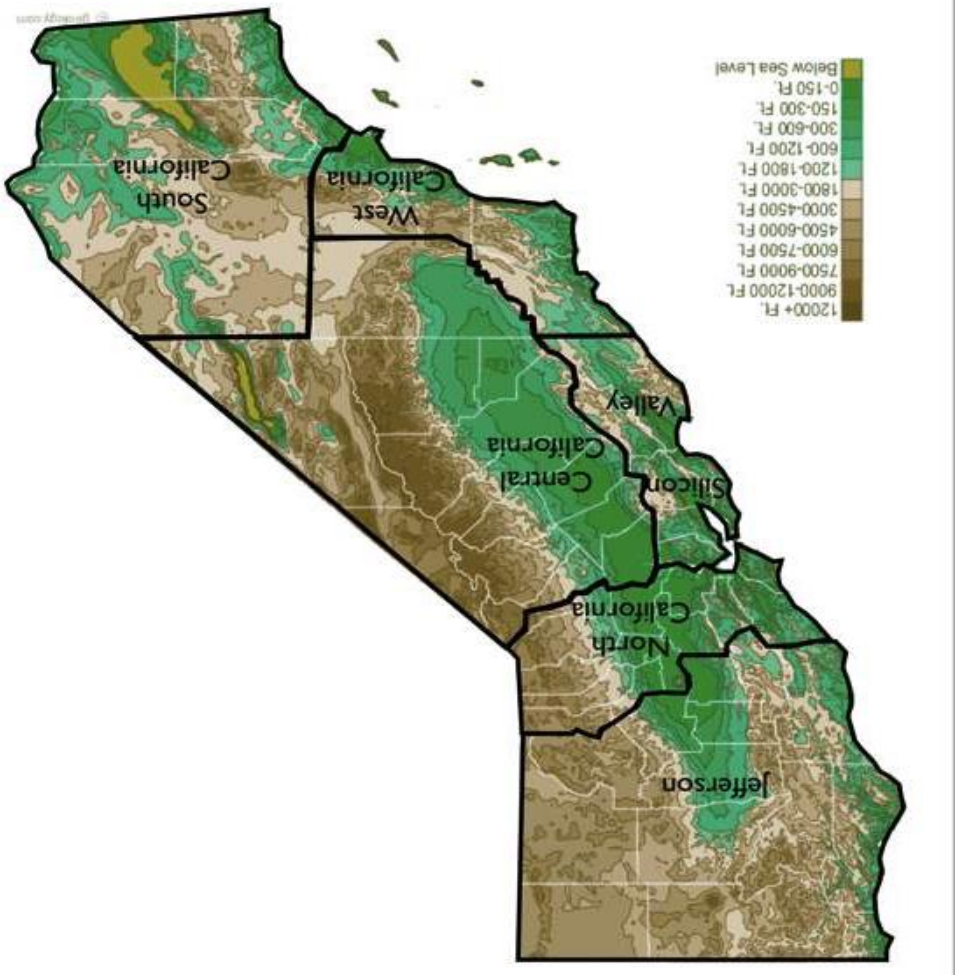
La Oportunidad – Enfocado en Agricultura



UC Davis Chile
Life Sciences Innovation Center

April 2015

Our Mission

To give the market and society TECHNOLOGICAL SOLUTIONS based on science through

- The implementation of a COLLABORATIVE RESEARCH platform,
- The development of disruptive TECHNOLOGIES and
- The efficient and effective TRANSFER of application

in the agri-food and environmental sectors, in order to generate economic impact and social development in Chile and the world.

Focused action

Technology transfer and innovation that provide competitive advantages for the companies:

Precision Agriculture, Sustentability, Production and Postharvest Technologies, Water, Food Safety, Nutrition, Quality, Functional Ingredients, among others.

CAPABILITIES

Research and Development

New Genomic Tools

We efficiently integrate gene sequencing and editing technologies to develop crops that respond to performance, food safety and quality demanded by international markets standards.

Bioproducts

We develop high value solutions for the agro that allow the cost-effective search of new biological activities and the development of formulations and the scaling of industry processes.

Climate smart-agro

We generate technological solutions and transfer practices that facilitate the development of agro production in variable climatic conditions.

Integrated Pest Management

We identify, develop and integrate eco-efficient practices for agro and forest pest management.

35 Researchers in Chile & UC Davis

Current R&D Lines

Microbial Diagnostics using Omic-Based Technologies

Plant pathogen detection, molecular diagnostic and strategies of mitigation.


Dr. Mauricio Lolas PI


Dr. Bryce Falk PI


Dr. Gonzalo Diaz coPI


Dr. Dario Cantu coPI


Dr. Ruben Polanco (UNAB) coPI

Whole Genome Analytics

Genetic identification of clones/rootstocks for grapevine


Dr. Claudio Meneses PI


Dr. Dario Cantu PI


Dr. Ariel Orellana coPI


Dr. Andrew Walker coPI


Dr. Reinaldo Campos coPI

Agro-Climate Technologies

Novel Technologies to Assess Changing Agricultural Water Loss Associated with Climatic Variations


Dra. Elizabeth Bastías PI


Dr. Daniele Zaccariar PI


Dr. Samuel Ortega UTAL coPI


Dr. Richard Snyder coPI


Dr. Cesar Acevedo UTAL coPI

Wine quality control and evaluation

Measure chemical quality on grapewine and wine


Dr. Yerko Moreno PI

Miguel Rencoret (VSPT)


Dra. Isabel Moenne (VSPT)

Gerard Cassaubon (CyT)


Dr. Álvaro González (CyT)


Dr. Roger Boulton

Dr. David Block


Dra. Hildegarde Heymann

Dra. Susan Ebeler

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CONCHA Y TORO

vspt.wine.group

Some new Projects

- **Technological Extension Center to Fortify the Competitiveness of the Processed Food Industry**
- **Viticulture and Enology Extension Center in the South of Chile**
- **Water Management-Irrigation Extension in the South Zone**
- **Pest Detection in Araucaria Leaf**
- **Bioprospecting in Atacama Desert…… UC Davis Chile and UTA Project**

CREATING A COLLABORATIVE INNOVATION ECOSYSTEM

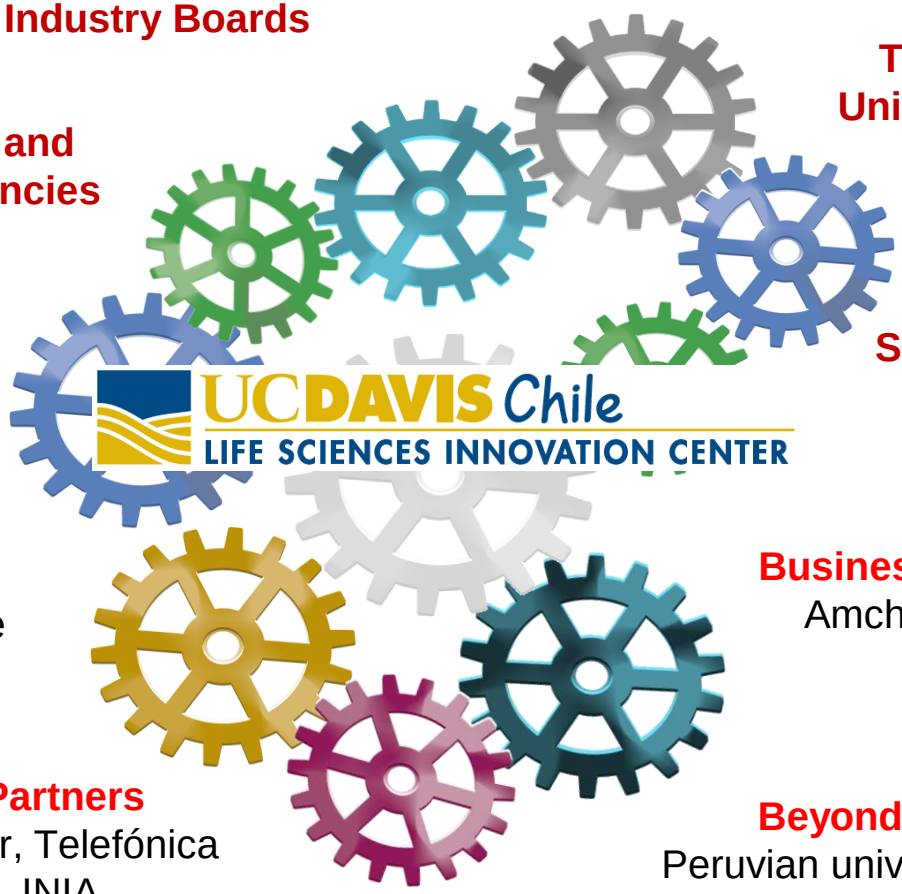
Agri-food and Envirnomental Companies

Industry Boards

Tech Transfer Universities HUBs

Goverment and National Agencies

Academic Partners



Supporting science-based start-ups
R2B Catalyst

Regional Goverments
Broad presence in Chile

Business Partners
Amcham Chile

R+D Partners
Fraunhofer, Telefónica I+D, INIA

Beyond Chile
Peruvian universities and companies

UC Davis Chile

Life Sciences Innovation Center

THE IMPACTS…

We are looking for symmetrical impacts in Chile and UC Davis

Chile:

- **Development and sponsorship of collaborative research.**
- **New economic activity based on research/technology from UC Davis and from collaborative research activities.**
- **A model of technology transfer based on US experiences.**
- **Linkage to technology transfer, business development and investment resources in California.**

UC Davis:

- **New opportunities for technology transfer**
- **International opportunity for faculty/student researchers**
- **An international hub in Latin America**